THE ASTROPHYSICAL JOURNAL LETTERS

CONTENTS OF VOLUME 588, PART 2

2003 MAY 1, NUMBER 1

	Page
THE AMPLITUDE OF MASS FLUCTUATIONS *Neta A. Bahcall and Paul Bode*	L1
PROBING DARK ENERGY WITH THE COSMIC MICROWAVE BACKGROUND: PROJECTED CONSTRAINTS FROM THE *WILKINSON MICROWAVE ANISOTROPY PROBE* AND *PLANCK* *A. Balbi, C. Baccigalupi, F. Perrotta, S. Matarrese, and N. Vittorio*	L5
KECK SPECTROSCOPY OF FOUR QUASI-STELLAR OBJECT HOST GALAXIES *J. S. Miller and A. I. Sheinis*	L9
A LOW-MASS CENTRAL BLACK HOLE IN THE BULGELESS SEYFERT 1 GALAXY NGC 4395 *Alexei V. Filippenko and Luis C. Ho*	L13
THE NEAR-INFRARED Ca II TRIPLET–σ RELATION FOR BULGES OF SPIRAL GALAXIES Ⓔ *Jesús Falcón-Barroso, Reynier F. Peletier, Alexandre Vazdekis, and Marc Balcells*	L17
A DYNAMICAL FOSSIL IN THE URSA MINOR DWARF SPHEROIDAL GALAXY *Jan T. Kleyna, Mark I. Wilkinson, Gerard Gilmore, and N. Wyn Evans*	L21
NEUTRINO-DRIVEN EXPLOSIONS IN GAMMA-RAY BURSTS AND HYPERNOVAE *Chris L. Fryer and Peter Mészáros*	L25
DETECTABILITY OF MIXED UNBURNT C+O IN TYPE Ia SUPERNOVA SPECTRA *E. Baron, Eric J. Lentz, and Peter H. Hauschildt*	L29
THE OPTICAL COUNTERPART OF THE ISOLATED NEUTRON STAR RX J1605.3+3249 *D. L. Kaplan, S. R. Kulkarni, and M. H. van Kerkwijk*	L33
THE G11.11−0.12 INFRARED-DARK CLOUD: ANOMALOUS DUST AND A NONMAGNETIC ISOTHERMAL MODEL Ⓔ *Doug Johnstone, Jason D. Fiege, R. O. Redman, P. A. Feldman, and Sean J. Carey*	L37
THE INITIAL ABUNDANCE OF ^{60}Fe IN THE SOLAR SYSTEM *S. Tachibana and G. R. Huss*	L41
A THREE-DIMENSIONAL FLUX ROPE MODEL FOR CORONAL MASS EJECTIONS BASED ON A LOSS OF EQUILIBRIUM *Ilia I. Roussev, Terry G. Forbes, Tamas I. Gombosi, Igor V. Sokolov, Darren L. DeZeeuw, and Joachim Birn*	L45
A NEW METHOD TO CONSTRAIN THE IRON ABUNDANCE FROM COOLING DELAYS IN CORONAL LOOPS *Markus J. Aschwanden, Carolus J. Schrijver, Amy R. Winebarger, and Harry P. Warren*	L49
RAPID ACCELERATION OF A CORONAL MASS EJECTION IN THE LOW CORONA AND IMPLICATIONS FOR PROPAGATION *Peter T. Gallagher, Gareth R. Lawrence, and Brian R. Dennis*	L53
AN EXPLANATION FOR LARGE ENHANCEMENTS OF NITROGEN RELATIVE TO CARBON AND OXYGEN IN SOLAR ^{3}He-RICH EVENTS *T. X. Zhang and J. X. Wang*	L57
NONEQUILIBRIUM CO CHEMISTRY IN THE SOLAR ATMOSPHERE *A. Asensio Ramos, J. Trujillo Bueno, M. Carlsson, and J. Cernicharo*	L61
LARGE MIXING ANGLE OSCILLATIONS AS A PROBE OF THE DEEP SOLAR INTERIOR *C. Burgess, N. S. Dzhalilov, M. Maltoni, T. I. Rashba, V. B. Semikoz, M. A. Tórtola, and J. W. F. Valle*	L65
INSTRUCTIONS TO AUTHORS OF LETTERS, AND ADDITIONAL USEFUL INFORMATION	*Inside Back Cover*
INSTRUCTIONS FOR ELECTRONIC MANUSCRIPT SUBMISSION	*Back Cover*

CONTENTS

2003 MAY 10, NUMBER 2

	Page
WAS THE UNIVERSE REIONIZED BY MASSIVE METAL-FREE STARS? *J. Stuart B. Wyithe and Abraham Loeb*	L69
THE DENSITY PROFILE OF CLUSTER-SCALE DARK MATTER HALOS *Håkon Dahle, Steen Hannestad, and Jesper Sommer-Larsen*	L73
A CONTINUOUS INJECTION PLASMA MODEL FOR THE X-RAY/RADIO KNOTS IN KILOPARSEC-SCALE JETS OF ACTIVE GALACTIC NUCLEI *S. Sahayanathan, R. Misra, A. K. Kembhavi, and C. L. Kaul*	L77
THE FIRST CO MAP OF A LOW SURFACE BRIGHTNESS GALAXY *K. O'Neil and E. Schinnerer*	L81
RR LYRAE AND SHORT-PERIOD VARIABLE STARS IN THE DWARF IRREGULAR GALAXY NGC 6822 *Gisella Clementini, Enrico V. Held, Lara Baldacci, and Luca Rizzi*	L85
ROLE OF SHOCKED ACCRETION FLOWS IN REGULATING THE QUASI-PERIODIC OSCILLATION OF GALACTIC BLACK HOLE CANDIDATES *Tapas K. Das*	L89
A MAJOR SOFT GAMMA REPEATER–LIKE OUTBURST AND ROTATION GLITCH IN THE NO-LONGER-SO-ANOMALOUS X-RAY PULSAR 1E 2259+586 *V. M. Kaspi, F. P. Gavriil, P. M. Woods, J. B. Jensen, M. S. E. Roberts, and D. Chakrabarty*	L93
EXTENDED EMISSION FROM CYGNUS X-3 DETECTED WITH *CHANDRA* *W. A. Heindl, J. A. Tomsick, R. Wijnands, and D. M. Smith*	L97
THE Fe XXII I(11.92 Å)/I(11.77 Å) DENSITY DIAGNOSTIC APPLIED TO THE *CHANDRA* HIGH ENERGY TRANSMISSION GRATING SPECTRUM OF EX HYDRAE *Christopher W. Mauche, Duane A. Liedahl, and Kevin B. Fournier*	L101
R CASSIOPEIAE: RELATIVE STRENGTHS OF SiO MASERS AT 43 AND 86 GHz *R. B. Phillips, A. H. Straughn, S. S. Doeleman, and C. J. Lonsdale*	L105
TRANSITION REGION EMISSION FROM VERY LOW MASS STARS *Suzanne L. Hawley and Christopher M. Johns-Krull*	L109
THE FIRST DETECTION OF SPATIALLY RESOLVED MID-INFRARED SCATTERED LIGHT FROM A PROTOPLANETARY DISK *C. McCabe, G. Duchêne, and A. M. Ghez*	L113
PERIODIC FLUX VARIABILITY OF STARS DUE TO THE REFLEX DOPPLER EFFECT INDUCED BY PLANETARY COMPANIONS *Abraham Loeb and B. Scott Gaudi*	L117
THE DEPENDENCE OF H_2CO AND CH_3OH FORMATION ON THE TEMPERATURE AND THICKNESS OF H_2O-CO ICE DURING THE SUCCESSIVE HYDROGENATION OF CO *Naoki Watanabe, Takahiro Shiraki, and Akira Kouchi*	L121
INSTRUCTIONS TO AUTHORS OF LETTERS, AND ADDITIONAL USEFUL INFORMATION	*Inside Back Cover*
INSTRUCTIONS FOR ELECTRONIC MANUSCRIPT SUBMISSION	*Back Cover*